

ABSTRACT OF THE DISCLOSURE

A heating device including an electric heat conductor arrangement which is integrated in a flexible heating element and can be connected to a supply voltage via a connection cable. The heating device also includes a heating circuit, which is formed with the heat conductor arrangement and with other elements including a control element for a heating current, and includes a trigger circuit, which has a control loop and is connected to the control element in order to vary the heating current and regulate the temperature, whereby the control element is triggered based on a deviation between an actual value and a set value. A simple design with reliable temperature regulation is obtained because the trigger circuit is also coupled to the heating circuit via a coupling branch in order to tap an electric measured variable current or voltage that varies according to the temperature of the heat conductor arrangement. Also, the trigger circuit includes a control loop with a digitizing stage of a digital circuit arrangement. The trigger circuit is configured so that the triggering of the control element for adjusting a set temperature of the heating element occurs based on digital data generated in the digitizing stage.